

SEQUENCE LISTING

<110> KANEKA CORPORATION

<120> Process for producing optically active pyridineethanol derivatives

<130> 21581-00256-US1

<140> US 10/669,503

<141> 2003-09-25

<150> US 09/787,746

<151> 2001-03-21

<150> PCT/JP00/04237

<151> 2000-06-28

<150> JP P1999-206503

<151> 1999-07-21

<160> 10

<170> PatentIn version 3.4

<210> 1

<211> 254

<212> PRT

<213> Candida maris

<400> 1

Met	Ser	Tyr	Asn	Phe	Ala	Asn	Lys	Val	Leu	Ile	Val	Thr	Gly	Gly	Leu
1				5					10					15	

Ser	Gly	Ile	Gly	Leu	Ala	Val	Ala	Lys	Lys	Phe	Leu	Gln	Leu	Gly	Ala
			20					25					30		

Lys	Val	Thr	Ile	Ser	Asp	Ile	Ser	Ala	Thr	Glu	Lys	Tyr	Asn	Thr	Val
		35					40					45			

Val	Gly	Glu	Phe	Lys	Thr	Glu	Gly	Ile	Asp	Val	Lys	Asn	Val	Gln	Tyr
	50					55					60				

Ile	Gln	Ala	Asp	Ala	Ser	Lys	Glu	Ala	Asp	Asn	Glu	Lys	Leu	Ile	Ser
65					70					75				80	

Glu	Thr	Leu	Ser	Ala	Phe	Gly	Asp	Leu	Asp	Tyr	Val	Cys	Ala	Asn	Ala
				85					90					95	

Gly Ile Ala Thr Phe Thr Gln Thr Thr Asp Ile Ser Tyr Asp Val Trp

100 105 110
 Arg Lys Val Thr Ser Ile Asn Leu Asp Gly Val Phe Met Leu Asp Lys
 115 120 125
 Leu Ala Ala Gln Tyr Phe Leu Ser Lys Asn Lys Pro Gly Ala Ile Val
 130 135 140
 Asn Met Gly Ser Ile His Ser Tyr Val Ala Ala Pro Gly Leu Ser His
 145 150 155 160
 Tyr Gly Ala Ala Lys Gly Gly Leu Lys Leu Leu Thr Gln Thr Met Ala
 165 170 175
 Leu Glu Tyr Ala Ala Lys Gly Ile Arg Val Asn Ser Val Asn Pro Gly
 180 185 190
 Tyr Ile Lys Thr Pro Leu Leu Asp Ile Cys Pro Lys Glu His Met Asp
 195 200 205
 Tyr Leu Ile Thr Gln His Pro Ile Gly Arg Leu Gly Lys Pro Glu Glu
 210 215 220
 Ile Ala Ser Ala Val Ala Phe Leu Cys Ser Asp Glu Ala Thr Phe Ile
 225 230 235 240
 Asn Gly Ile Ser Leu Leu Val Asp Gly Gly Tyr Thr Ala Arg
 245 250

<210> 2
 <211> 765
 <212> DNA
 <213> Candida maris

<400> 2
 atgtcctaca attttgccaa caaagttctt attgtgaccg gaggtctgtc cggtatttga 60
 cttgcagttg caaagaagtt tcttcaactc ggggccaaag tgacaatttc tgatatctct 120
 gccactgaaa agtacaacac ggttgtaggt gagttcaaaa ccgagggcat tgatgtcaag 180
 aatgttcagt atattcaggc cgaatgcaagc aaagaggccg acaacgagaa gctcatctcc 240
 gagacactgt ctgctttcgg tgatctcgac tacgtgtgcg caaatgctgg aattgccact 300
 ttcacacaga ctacagatat ctctacgac gtctggagga aggtaaccag cattaatctt 360

```

gacgggtgtt  tcatgcttga  taaactagct  gcacaatact  ttttgagcaa  gaacaagcca  420
ggtgctattg  tcaacatggg  ttccattcac  tcgtatgtgg  ccgctcctgg  actttctcac  480
tacggtgctg  ccaaaggagg  tctgaagcta  ctgactcaga  ccatggccct  tgagtatgcc  540
gcaaaaggta  taagagttaa  ctcggtcaat  cctggttaca  tcaagacacc  attgcttgat  600
atttgccta  aagaacacat  ggattacctt  atcactcagc  atccaattgg  acgtctcgga  660
aagcctgaag  agattgcaag  tgctgttgca  tttctgtgct  ctgacgaggc  tacatttacc  720
aacggaatct  ccttgttggt  agacgggtgt  tatacggcaa  gataa  765

```

```

<210> 3
<211> 20
<212> DNA
<213> artificial

```

```

<220>
<223> oligonucleotide primer

```

```

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

```

```

<400> 3
ggngcnathg tnaayatggg  20

```

```

<210> 4
<211> 20
<212> DNA
<213> artificial

```

```

<220>
<223> oligonucleotide primer

```

```

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

```

```

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

<400> 4
ccdatnggrt gytgngt dat                                20

<210> 5
<211> 25
<212> DNA
<213> artificial

<220>
<223> oligonucleotide primer

<400> 5
ggagcggccca catacgagt g aatgg                            25

<210> 6
<211> 25
<212> DNA
<213> artificial

<220>
<223> oligonucleotide primer

<400> 6
agacaccatt gcttgatatt tgccc                            25

<210> 7
<211> 27
<212> DNA
<213> artificial

<220>
<223> oligonucleotide primer

<400> 7
cgccatatgt cctacaattt tgccaac                            27

<210> 8
<211> 33
<212> DNA
<213> artificial

<220>
<223> oligonucleotide primer

<400> 8
gcggaattct tattatcttg cggtataacc acc                    33

```

<210> 9
<211> 43
<212> DNA
<213> artificial

<220>
<223> oligonucleotide primer

<400> 9
gccgaattct aaggaggta acaatgtata aagatttaga agg

43

<210> 10
<211> 28
<212> DNA
<213> artificial

<220>
<223> oligonucleotide primer

<400> 10
gcggtcgact tatccgcgtc ctgcttgg

28